

Long service life cylinder

Environment-resistant cylinder

Linear Slide Hand

Low-profile long stroke hand

Wide Parallel Hand

Chuck

Air Booster

Compatible with rechargeable batteries

Supports food mfg. processes



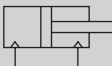
Guided cylinder Double acting/Single rod

Long service life cylinder

STG-M_B-P4/P40-HP1 Series

● Bore size: $\phi 12/\phi 16/\phi 20/\phi 25/\phi 32/\phi 40$

JIS symbol



Specifications

Item	STG-M/B-P4/P40-HP1					
Bore size mm	ø12	ø16	ø20	ø25	ø32	ø40
Actuation	Double acting					
Working fluid	Compressed air					
Max. working pressure MPa	1.0					
Min. working pressure MPa	0.15				0.1	
Proof pressure MPa	1.6					
Ambient temperature °C	-10 to 60 (no freezing)					
Port size	M5		Rc1/8			
Stroke tolerance mm	+2.0					
	0					
Working piston speedmm/s	50 to 500					
Cushion	With rubber cushion					
Lubrication	Not available					
Allowable absorbed energy J	0.056	0.088	0.157	0.157	0.401	0.627

Stroke

Bore size	Standard stroke (mm)	Max. stroke (mm)	Min. stroke (mm)	Min. stroke with switch(mm)
ø12	10/20/30/40/50/75/100	150	5	5 (10) *2
ø16	125/150			
ø20	20/30/40/50/75/100			
ø25	125/150			
ø32	25/50/75/100/125/150			
ø40				

*1: The custom stroke is available in 5 mm increments. However, the total dimensions are the same as the longer standard stroke. A dedicated body with dimensions matched to the stroke is available. Contact CKD for details.

*2: For types with one or two switches. The value in () is the min. stroke for switches of the 2-color LED and AC magnetic field proof.

Related products

Speed controller										
Model No.	Appearance	Port size (Rc or R)				Compatible tube O.D.				
		M5	1/8	1/4	3/8	4($\phi 4$)	6($\phi 6$)	8($\phi 8$)	10($\phi 10$)	12($\phi 12$)
SC3W-M5-*P4		●				●	●			
SC3W-6-*P4			●			●	●	●		
SC3W-8-*P4				●			●	●	●	
SC3W-10-*P4					●			●	●	●
SC3W-10-*P4								●	●	●

Specify the compatible tube O.D. code for *. Refer to "rechargeable battery compatible component P4* Series" (No.CC-1226A) for details.

Dimensions is STG-M_B for details on the series.

How to order

Without switch (built-in magnet for switch)

STG - **M** - **32** - **25** - **P4** - **HP1**

With switch (built-in magnet for switch)

STG - **M** - **32** - **25** - **SW11** - **R** - **P4** - **HP1**

Model No.

A Bearing

B Bore size

C Stroke

D Switch model No. *1 *2

E Switch quantity

Code	Description						
A Bearing							
M	Metal bush bearing						
B	Ball bearing						
B Bore size (mm)							
12	ø12						
16	ø16						
20	ø20						
25	ø25						
32	ø32						
40	ø40						
C Stroke (mm)							
		Applicable bore size					
		ø12	ø16	ø20	ø25	ø32	ø40
Standard Stroke	10	●	●				
	20	●	●	●	●		
	25					●	●
	30	●	●	●	●		
	40	●	●	●	●		
	50	●	●	●	●	●	●
	75	●	●	●	●	●	●
	100	●	●	●	●	●	●
	125	●	●	●	●	●	●
150	●	●	●	●	●	●	
Min. stroke *5		5 (10)					
Custom stroke *3,*4		In 5 mm increments					
D Switch model No.							
Refer to the compatibility table on pages 210 to 213 for switch model No.							
E Switch quantity							
R	1 on rod side						
H	1 on head side						
D	2						
T	3						

⚠ Precautions for model No. selection

- *1: T8H/V switch cannot be installed on STG-12 or 16.
- *2: Switches are shipped with the product. Contact CKD if assembling before shipment is necessary.
- *3: The total dimensions are the same as the longer standard stroke.
- *4: A dedicated body with dimensions matched to the stroke is available. Contact CKD for details.
- *5: The value in () is the min. stroke for switches of the 2-color LED and AC magnetic field proof.

SCPD3	Long service life cylinder
CMK2	
SCM	
SSD2	
MDC2	
MSD	
MSDG-L	
SMG	
LCR	
LCG	
STM	
STR2	
SCPD3	Environment-resistant cylinder
CMK2	
SCM	
SCG	
SSD2	
SMG	
LCR	
STG	
STS	Linear Slide Hand
STL	
LSH	
LSHL	
LSHM	
LST	Low-profile long stroke hand
LSTM	
HMC	Wide Parallel Hand
CKW	Chuck
ABP2	Air Booster
SCPD3	Compatible with rechargeable batteries
CMK2	
SCM	
SSD2	
MSD	
MSDG-L	
SMG	
STG	
STM	
LCR	
LCG	
STR2	
LSH	
LSHL	
SCPD3	Supports food mfg. processes
CMK2	
SCM	
SCG	
SSD2	
STG	